

Product datasheet for **MR230608**

Lrrtm4 (NM_001134743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm4 (NM_001134743) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrtm4
Synonyms:	7530419J18Rik; A230052N11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230608 representing NM_001134743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGT**TTCCGTCTAATCACGCAGCTGAAAGGCATGAGTGTGTTTCTGGTGCTATTTCCACCTGC**
 TGCTGGTTATGCTGACGGGGCTCAGAGAGCTTGCCCAAAGAAGTGCAGATGCGATGGCAAGATTGTATA
 CTGTGAGTCTCACGCCTTCGCAGACATCCCTGAGAACATTTCTGGAGGGTCAACAAGTTTATCCTTAAGG
 TTCAACAGCATT**CAGAACTCAAATCCAATCAGTTTGCCGGCCTTAACCAGCTTATATGGCTTTATCTTG**
 ACCATAATTACATTAGCTCAGTGGACGAAGATGCCTTTCAAGGGATCCGCAGACTGAAAGAATTAATTCT
 AAGCTCCAACAAAATTACCTATCTGCACAATAAAACATTTACCCAGTCCCAACCTCCGCAACCTGGAT
 CTCTCTACAACAACTCAGACCTTACAGTCTGAGCAGTTTAAAGGCCTCCGGAACCTCATTTTTGC
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 GGATTTGGGTTATAATCGGCTCCGAAGCTTATCCGAAACCGCTTTGCCGGTCTTCTGAAGTTAAAGAG
 CTCCACCTGGAGCATAATCAGTTTTCAAGATCAACTTTGCTCATTTTCTCGTCTTCAACCTGCGAT
 CCATCTACCTGCAATGGAACAGGATCCGCTCTGTCAAGTCAAGGCCTAACATGGACCTGGAGTTCTTGCA
 CACCTTGATTATCAGGGAATGACATCCAAGCAATCGAGCCTGGCACATTTAAATGCCTCCCAATTTG
 CAAAAATTGAATTTGGATTCCAACAAGCTCACCATGTCTCCAGGAGACTGTCAATGCATGGATATCCT
 TAATATCCATCACCTGTCTGGAACATGTGGGAATGTAGTCCGAGCATCTGTCTCTATTCTACTGGCT
 GAAGATTTCAAAGGGAATAAGAAAGTACCATGATATGTGCAGGGCTAAGCACATACAGGGTGAAG
 GTTAGCGATGCCGTGGAGACTTACAACATCTGCTCTGATGTCCAGTGGTCAACACAGAACGATCACATC
 TGCGCCCTCAAACCTCCCAAGCCCGTTCATCCCAACCTACCATCTTCAAACCGGATGCAGTCCC
 AGCCACCTAGAGGCAGT**GAGCCATCCCGGGCTTTCAAATTCAGGTACGGATCATGAGTACGAGCAC**
 GTGTGTTTTCAAAAATCATCGCAGGGAGCGTGGCTCTGTTCTCTCCGTGGCCATGATTCTCCTGGTGA
 TCTATGTGCTTGAAACCGTACCCAGCCAGCATGAAACAACCTCAACAGCACTCACTTATGAAGAGGAG
 ACGGAAAAAGCGAGGGAGTCCGAGAGACAGATGAATTCCTTTACAGGAATACTACGTGGACTACAAA
 CCGACGAACTCTGAGACCATGGATATATCGGTTAATGGATCTGGTCCCTGCACATATACCATCTCGCT
 CCAGGGAGTGTGAGATACCCACCATGTGAAGCCCTGCCGATTACAGCTATGACCAACAGTATTGG
 GTACTGCCAGGCCACCAGCCTCTCCACATCAACAAGGCTTATGAAGCTGTGTCTATAGAACAGGATGAC
 AGCCCCAGTTTGGAGCTTGGGAGAGACCACAGTTCATTGCCACCATAGCCAGGTCCGCTGCACCTGCCA
 TTTATCTGGAGAGAATAACAAAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

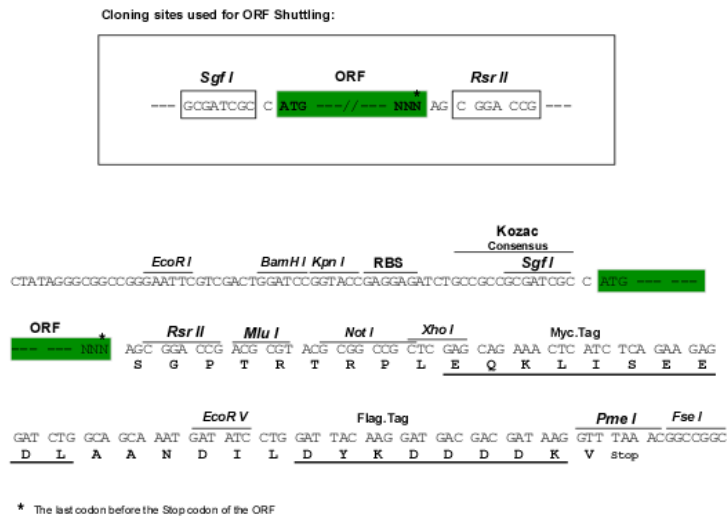
>MR230608 representing NM_001134743
 Red=Cloning site Green=Tags(s)

MPGFRLITQLKGMVFLVLFPTLLLVMLTGAQRACPKNCRCDGKIVYCESHAFADIPENISGGSQGLSLR
 FNSIQKLKSNQFAGLNQLIWLVDHNYISSVDEDAFQGIIRRLKELILSSNKITYLHNKTFHPVPLRNLND
 LSYNKLQTLQSEQFKGLRKLIIHLHRSNLSLKTVPVIRVFQDCRNLDLFDLGYNRLRSLSRNAFAGLLKKE
 LHLEHNQFSKINFAHFPRLFNLSIYLQWNRIRSVSQGLTWTWSSLHTLDL SGNDIQAIIEPGTFKCLPNL
 QKLNLDNLSNKL TNVSQETVNAWISLISITL SGNMWECSRSICPLFYWLKNFKGNKESTMICAGPKHIQGEK
 VSDAVETYNICSDVQVVNTERSHPQTPQKPPFIPKPTIFKPDVAVPATLEAVSPSPGFQIPGTDHEYEH
 VSFHKI IAGSVALFLSVAMILLVIYVSWKRYPASMKQLQQHSLMKRRRKKARESERQMNSPLQEYYVDYK
 PTNSEITMDSVNGSGPCTYITISGSRECEIPHHVKPLPYYSYDQPVIGYCQAHQPLHINKAYEAVSIEQDD
 SPSLELGRDHSFIATIARSAAPAIYLERITN

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_001134743

ORF Size: 1773 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001134743.1](#), [NP_001128215.1](#)

RefSeq Size: 3054 bp

RefSeq ORF: 1776 bp

Locus ID: 243499

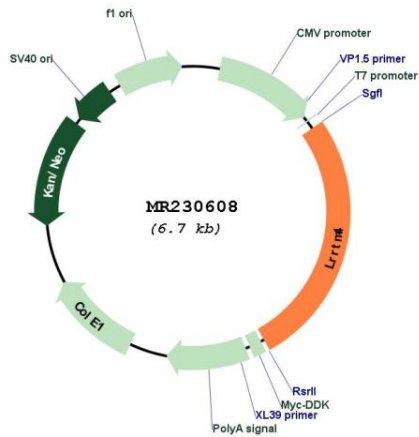
UniProt ID: [Q80XG9](#)

Cytogenetics: 6 C3

MW: 67.2 kDa

Gene Summary: May play a role in the development and maintenance of the vertebrate nervous system. Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230608